



---

LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

---

BULLETIN No. 106

---

GROUND PEPPER

---



LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

---

BULLETIN No. 106

---

GROUND PEPPER.

OTTAWA, August 21, 1905.

W. J. GERALD, Esq.,

Deputy Minister of Inland Revenue Department.

SIR,—I have the honour herewith to present a report upon Black and White Pepper. The samples just examined, were collected in accordance with your instructions of the 16th June, and the work upon them has been performed in this laboratory.

It is public knowledge that pepper is an article which is very grossly adulterated; and an effort has been made, in the present instance, to obtain reliable information as to the extent of this adulteration; as well as to ascertain whether it is universal throughout Canada, or more or less localized.

Pepper has been made the subject of inspection pretty continuously since 1877, when first the adulteration Act became operative in Canada. The following synoptical table gives a succinct account of what has been done in this regard. (See next page.)

It will be noted that the number of samples heretofore examined, in any year, has been too small to permit of any trustworthy conclusions of a general nature, being based upon it. At a very conservative estimate there are from 4,000,000 to 5,000,000 retail sales of pepper in Canada annually. It is evident that the number of samples examined should bear some reasonable proportion to this number, if reliable conclusions are to be drawn from their analysis. While it cannot be claimed that the total number of samples (290), whose analysis is now reported, is sufficiently large to fulfil this condition, it certainly approaches it in a much higher degree than any former inspection of pepper, being considerably more than double the number examined in any preceding year.

The following tables show (see page 6), in condensed form the result of the present inspection and of inspection for the whole period 1877 to 1905. It will be seen that the highest percentage of adulteration occurs in and about Montreal, and these districts give the highest percentage of adulteration for the whole period 1877 to 1905. On account of the comparatively small number of samples inspected, during this period, in certain districts, too great importance must not be attached to these averages.

INSPECTION OF PEPPER, 1876 TO 1905<sup>1</sup>.

Year.	District of Nova Scotia.		District of Quebec.		District of Montreal.		District of Toronto.		District of New Brunswick.		District of London.		District of Manitoba.	
	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.
1876 & 1877 <sup>2</sup> .	6	4	6	5	16	16	8	5	.....	.....	.....	.....	.....	.....
1878.	6	5	6	3	16	15	12	5	.....	.....	.....	.....	.....	.....
1879.	8	4	11	6	12	9	10	4	.....	.....	.....	.....	.....	.....
1880.	8	2	8	1	8	1	9	5	9	2	.....	.....	.....	.....
1881.	7	3	7	0	11	11	11	9	9	7	.....	.....	.....	.....
1882.	4	1	5	4	12	10	10	5	12	10	.....	.....	.....	.....
1883.	8	3	2	1	11	10	4	2	5	5	2	0	.....	.....
1884.	1	1	2	0	8	7	3	1	6	4	4	4	2	2
1885 <sup>3</sup> .	12	3	2	0	18	10	23	15	6	5	5	4	.....	.....
1886 <sup>4</sup> .	4	1	5	4	4	3	4	4	4	2	4	2	8	4
1888.	10	6	8	8	10	7	10	6	8	7	.....	.....	.....	.....
1890 <sup>5</sup> .	.....	.....	25	11	38	26	10	1	.....	.....	.....	.....	.....	.....
1891.	.....	.....	23	10	30	21	10	1	8	5	8	2	3	2
1894.	.....	.....	10	3	10	8	15	1	13	2	13	1	12	2
1896.	15	4	15	6	17	10	10	2	.....	.....	.....	.....	.....	.....
1899.	.....	.....	.....	.....	.....	.....	10	0	.....	.....	9	5	10	0
1900.	10	1	10	4	.....	.....	17	13	7	3	11	6	10	1
1904 <sup>6</sup> .	10	1	18	12	19	19	17	13	7	3	10	3	7	4
1905 <sup>7</sup> .	7	0	.....	.....	12	8	12	4	7	3	.....	.....	.....	.....
Sum .....	116	39	163	77	256	191	188	83	94	60	66	27	87	15
Present in- spection...	24	1	23	17	24	12	24	6	24	10	24	6	25	11
Total for per- iod of 29 years.....	140	40	186	94	279	203	212	89	118	70	90	33	82	26

<sup>1</sup>In some of the earlier years a few samples of cayenne (red pepper) are included in these numbers.

<sup>2</sup>The first year in which the Adulteration Act was enforced.

<sup>3</sup>The first Chief Analyst (Mr. Evans) appointed.

<sup>4</sup>Mr. Macfarlane appointed Chief Analyst

<sup>5</sup>Bulletin No. 20.

<sup>6</sup>Bulletin No. 90.

<sup>7</sup>Bulletin No. 103.

INSPECTION OF PEPPER, 1876 TO 1905—*Concluded.*

Year.	District of Kingston.		District of British Columbia.		District of Prince Edward Island.		District of Calgary.		District of St. Hyacinthe.		Canada.	
	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.	Exam-ined.	Adul-terated.
1876 & 1877 <sup>1</sup> .....											36	30
1878.....											40	28
1879.....											44	22
1880.....											42	18
1881.....											45	30
1882.....											43	31
1883.....											32	17
1884.....											24	17
1885 <sup>2</sup> .....											68	30
1886 <sup>3</sup> .....	4	4									29	20
1888.....	8	7									62	43
1890 <sup>4</sup> .....											73	36
1891.....											53	31
1894.....	8	8									62	20
1896.....	13	5									113	31
1899.....											10	2
1900.....	9	4	8	1							66	15
1904 <sup>5</sup> .....	14	4	12	6	6	1	6	6	10	10	130	72
1905 <sup>6</sup> .....	10	4	8	4	2	0	1	1			86	41
Sum.....	66	36	28	11	8	1	7	7	10	10	1,058	557
Present inspection.....	24	11	24	9	26	7	24	8	24	18	290	117
Total for period of 29 years.....	90	77	60	20	34	8	31	15	34	28	1,348	674

<sup>1</sup> In some of the earlier years a few samples of cayenne (red pepper) are included in these numbers.

<sup>2</sup> The first year in which the Adulteration Act was enforced.

<sup>3</sup> The first Chief Analyst (Mr. Evans) appointed.

<sup>4</sup> Mr. Macfarlane appointed Chief Analyst.

<sup>5</sup> Bulletin No. 20.

<sup>6</sup> Bulletin No. 95.

<sup>7</sup> Bulletin No. 103.

## PRESENT PERIOD.

District.	Number inspected	Genuine.	Adulterated	Doubtful.	Percentage Adulteration.
Nova Scotia.....	24	23	1	0	4
New Brunswick.....	24	14	10	0	42
Prince Edward Island.....	26	19	7	0	27
Quebec.....	23	6	17	0	74
St. Hyacinthe.....	24	5	18	1	75
Montreal.....	24	12	12	0	50
Kingston.....	24	12	11	1	46
Toronto.....	24	18	6	0	25
London.....	24	18	6	0	25
Manitoba.....	25	14	11	0	44
Calgary.....	24	16	8	0	33
British Columbia.....	24	14	9	1	37

## FROM PERIOD 1877 TO 1905.

District.	Examined.	Adulterated.	Percentage of Adulteration.
Nova Scotia.....	140	40	28
New Brunswick.....	118	70	60
Prince Edward Island.....	34	8	24
Quebec.....	186	94	51
St. Hyacinthe.....	34	28	82
Montreal.....	279	203	72
Kingston.....	90	77	85
Toronto.....	212	89	42
London.....	90	33	36
Manitoba.....	82	26	31
Calgary.....	31	7	50
British Columbia.....	60	20	33

Most of the samples inspected on the present occasion were purchased from bulk stock; but 20 samples were bought in packages, as put up by the manufacturer, and 30 samples, from manufacturers direct. Of samples so obtained, 25 are genuine, 3 of doubtful purity (the quantity of adulterant being too small to justify the conclusion that it has been intentionally added), and 2 adulterated.

The usual adulterant of white pepper is flour or starch of some kind. In black pepper, not only flour but ground shells and mineral matters (dirt) are found. It may here be explained that white pepper only differs from black, in that the outer coat (pericarp) of the berry has been removed before grinding. This pericarp invariably contains more or less earthy matter (soil) adherent to it, and this causes the relatively high percentage of ash in black peppers. The question of a maximum limit for ash in

black pepper has often been discussed. In Bull. No. 20 (Dec. 1890), I have brought together certain data, partly collected and partly original, bearing upon this subject; and (page 14) have proposed 7% of total ash, as an outside limit. The United States Department of Agriculture has recently (Nov. 20, 1903) promulgated Standards of purity for certain food products and has adopted this number 7% total ash as a legal standard for pepper. The committee having charge of this subject of food standards comprises the best known Food Chemists of the United States, and one Canadian Chemist. I have no doubt that this standard for pepper ash will commend itself to you, and I have based my conclusions as to purity, so far as ash is concerned, upon this standard. The very high ash found for some samples of black pepper leads to the inference that the outer husks, separated in the preparation of the berries for grinding as white pepper, have been added to black pepper. It is difficult otherwise to account for such high ash as 10 to 15% found in at least 12 samples analyzed.

While it cannot be charged that any of the substances found as adulterants of pepper, are actively harmful to health, they are certainly "Mixed with it so as to reduce or lower or injuriously affect its quality or strength" and are "Inferior or cheaper substances, substituted in part for the article." On these grounds their presence constitutes adulteration.

In conclusion I have to express my thanks to Mr. A. Lemoine and Miss Wright, who did most of the analytical work on these samples; and to recommend that this report be published as Bulletin No. 106.

I have the honor to be, Sir

Your obedient servant,

A. McGILL,

*Acting Chief Analyst.*



TABLE I.—BLACK PEPPER—JULY, 1905.

Date of Collection	Collector's Number.	Serial Number.	Name and Address of Vendor.	Cost per lb.	Inspector's Report.
<i>District of Nova Scotia—R. J. Waugh, Inspector.</i>				8 cts.	
July 13..	27001	1	DeWolfe & Lamont, Kentville.....	0 26	
" 13..	27004	2	Wm. Smith, Kentville.....	0 32	
" 13..	27008	3	B. H. Dodge ".....	0 40	
" 14..	27011	4	W. T. Stephens, Wolfville.....	0 30	
" 14..	27020	5	E. Shaw, Windsor.....	0 40	
" 19..	27031	6	J. B. Holden, Lunenburg.....	0 36	
" 19..	27034	7	B. G. Herman ".....	0 24	
" 19..	27035	8	J. S. Berringer ".....	0 36	
" 19..	27036	9	A. Cossmann, Newtown, Lunenburg.....	0 24	
" 25..	27047	10	Hattie & Mylins, Halifax.....	0 28	Bought from manufacturer.
" 25..	27050	11	Brown & Webb ".....	0 24	" "
" 26..	27053	12	J. P. Mott & Co. ".....		" "
<i>District of New Brunswick—J. C. Ferguson, Inspector.</i>					
June 24..	24013	1	Maritime Spice & Coffee Co., Ltd....	0 28	Bought from manufacturer.
" 29..	24024	2	James W. Brogan, St. John.....	0 30	
" 29..	24025	3	J. E. Bryant, Fairville, St. John Co....	0 30	
July 3..	24031	4	Harry G. McBeath, St. John.....	0 30	
" 4..	24033	5	James Collins, St. John.....	0 30	Did not sell this pepper as pure.
" 4..	24035	6	J. A. Lipsett, St. John.....	0 30	Not sold as pure.
" 7..	24041	7	Charles Francis & Co., St. John.....	0 24	Original package.
" ..	24072	8	N. W. Eveleigh & Co., Sussex.....	0 40	"
" ..	24076	9	Blakenay Bros., Petitcodiac.....	0 40	"
" ..	24089	10	Adam Burns & Co., Bathurst.....	0 40	"
" ..	24093	11	M. Bannon, Newcastle.....	0 40	"
" ..	24097	12	V. A. Danville, Chatham.....	0 30	"
<i>District of Prince Edward Island—T. Moore, Inspector.</i>					
June 27..	24436	1	Sterns & Son, Souris.....	0 28	
" 27..	24439	2	Matthew & McLean, Souris.....	0 26	
" 28..	24446	3	John McKenna, Charlottetown.....	0 28	
" 28..	24449	4	R. F. Maddigan ".....	0 28	
" 28..	24454	5	Sanderson & Co. ".....	0 28	
" 28..	24458	6	Jenkins & Son ".....	0 32	
July 5..	24467	7	Dyer, Woodman & Hunter, Alberton.....	0 24	
" 5..	24469	8	J. H. Myrick, Alberton.....	0 30	
" 6..	24480	9	Jardine & Co., Ltd., Summerside.....	0 30	
" 6..	24482	10	McGougan & Wright ".....	0 30	
" 6..	24487	11	John Knight, Georgetown.....	0 32	
" 6..	24489	12	A. A. McDonald Bros., Georgetown.....	0 32	
" 8..	24490	13	Gordon Douglas, Mount Stewart.....	0 32	
<i>District of Quebec—C. E. Roy, Inspector.</i>					
July 21..	27520	1	J. A. Pelletier, Chicoutimi.....	0 30	
" 24..	27521	2	Bouchard & Michaud, Chicoutimi.....	0 24	
" 25..	27522	3	Alf. Lalancette, Roberval.....	0 30	
" 25..	27523	4	O. Jarnel & Cie ".....	0 30	
" 26..	27524	5	H. McReady, New Liverpool.....	0 24	
" 19..	27513	6	Ed. Turgeon, Quebec.....	0 30	
" 20..	27514	7	J. E. Lachance, Quebec.....	0 20	
" 21..	27517	8	Frs Lavallée, St. Jean, Port Joli.....	0 36	
" 21..	27518	9	L. A. Paquette, St. Anne de la Pocatière.....	0 20	
" 22..	27519	10	V. Devost, Rivière du Loup.....	0 36	
" 21..	27515	11	Nap. Boulanger, Montmagny.....	0 26	
" 21..	27516	12	J. F. Pouliot, L'Islet.....	0 20	

TABLE I.—BLACK PEPPER—JULY, 1905—*Continued.*

Date of Collection	Collector's Number.	Serial Number.	Name and Address of Vendor.	Cost per lb.	Inspector's Report.
			<i>District of St. Hyacinthe—J. C. Rouleau, Inspector.</i>	8 cts	
June 24..	24571	1	Alfred Lavallée, Berthierville.	0 20	
" 24..	24572	2	W. Laphune, Berthierville.	0 40	
" 26..	24573	3	P. P. Lanoie, St. Aimé.	0 20	
" 26..	24574	4	P. Letendre, Yamaska.	0 20	
" 27..	24575	5	P. Charron, Longueuil.	0 20	
" 27..	24576	6	Michel Viger "	0 30	
" 28..	24577	7	A. Leost, St. Hyacinthe.	0 20	
" 28..	24578	8	J. W. Turcotte, Drummondville.	0 26	
" 22..	24567	9	Alf. Paradis, Brompton Falls.	0 26	
" 22..	24568	10	L. O. Pepin & Fils, Arthabaskaville.	0 20	
" 23..	24569	11	H. Rivard & Cie, Three Rivers.	0 30	
" 23..	24570	12	L. Bimelle & Frères "	0 20	
			<i>District of Montreal—J. J. Costigan, Inspector.</i>		
June 21..	26632	1	J. B. Vinet, 834 Craig St., East.	0 20	
" 21..	26633	2	J. O. Bessette, 1662 St. Catherine St.	0 40	
" 21..	26634	3	P. J. Ryan, 66 Centre St.	0 30	
" 21..	26635	4	J. O. Boudrias, 358 Centre St.	0 24	
" 21..	26636	5	J. B. Deschamps, 371 Centre St.	0 30	
" 27..	26631	6	Theo. Lefebvre & Co., Gosford St.	0 20	
" 26..	26637	7	R. Herron & Co., St. Paul St.	0 36	
" 26..	26638	8	S. H. Ewing & Sons, King St.	0 40	
" 27..	26639	9	J. A. Simard, St. Paul St.	0 25	
" 27..	26640	10	E. D. Marceau "	0 16	
" 27..	26641	11	J. V. Boudrian, Notre Dame St.	0 20	
" 27..	26642	12	J. D. Boileau, Bonsecour St.	0 26	
			<i>District of Kingston—J. Hogan and A. E. Sanderson, Inspectors.</i>		
June 20..	25424	1	M. E. Barry, 115 Queen St., Ottawa.	0 40	
" 20..	25425	2	J. E. McAdam, 548 Wellington St., Ottawa.	0 26	
" 20..	25426	3	F. A. Scott, 167 Rideau St., Ottawa.	0 34	
" 20..	25427	4	John Bambrick, 50 George St., Ottawa.	0 26	
" 22..	25428	5	P. A. Haflner, 147 Montreal St., Kingston.	0 30	
" 22..	25429	6	James McCuller, 149 Montreal St., Kingston.	0 26	
" 22..	25430	7	W. E. Hopkinson & Bros., 37 Brock St., Kingston.	0 26	
" 22..	25431	8	L. W. Murphy, Princess St., Kingston.	0 26	
" 22..	25433	9	John Gilbert, Barrie St. "	0 26	
" 23..	25432	10	Geo. Boyle, Front St., Belleville.	0 30	
" 23..	25434	11	John Panter & Son, Front St., Belleville.	0 26	
" 23..	25435	12	O. S. Hicks, Front St., Belleville.	0 26	
			<i>District of Toronto—</i>		
July 18..	24813	1	Chas. Burch, 368 Spadina Ave., Toronto.	0 40	
" 18..	24814	2	R. N. Ferguson, 272 College St., Toronto.	0 30	
" 18..	24815	3	W. J. Sykes, 344 College St., Toronto.	0 26	
" 19..	24816	4	Bradley & Sons, St. Paul St., St. Catharines.	0 26	
" 19..	24817	5	F. A. Wilson, Queen St., St. Catharines.	0 26	

TABLE I.—BLACK PEPPER—JULY, 1905.—*Continued.*

Date of Collection	Collector's Number.	Serial Number.	Name and Address of Vendor.	Cost per lb.	Inspector's Report.
<i>District of Toronto—Concluded.</i>					\$ cts.
July 20.	24818	6	F. F. Dalley Co., Hughson St., Hamilton.	0 19	Bought from manufacturer.
" 20.	24819	7	Hamilton Coffee and Spice Co., Toronto.	0 18	" "
" 21.	24820	8	Todhunter & Mitchell, Front St., Toronto.	0 20	" "
" 21.	24821	9	J. M. Lowes & Co., 109 Front St., Toronto.	0 18	" "
" 21.	24822	10	Dalton Bros., 191 Front St., Toronto.	0 16	" "
" 21.	24823	11	Jno. W. Peter, 245 King E. "	0 30	" "
" 21.	24824	12	Mrs. Connelly, 237 " "	0 26	" "
<i>District of London—T. Kidd, Inspector.</i>					
June 21	22295	1	John Beattie & Bro., Seaforth. . . . .	0 30	
" 22	22298	2	Charles A. Warin, Goderich. . . . .	0 30	
" 23	22306	3	Michael Klinghamer, Dublin. . . . .	0 25	
" 22	22304	4	W. F. Moreutz, Mitchell. . . . .	0 25	
" 26	22311	5	R. G. Smith, St. Mary's. . . . .	0 30	
" 27	22317	6	J. C. Treblecock, Dundas St., London	0 30	
" 27	22319	7	P. J. Sherry, Ingersol. . . . .	0 50	
" 27	22319	8	F. Walker, Norwich. . . . .	0 28	
" 28	22328	9	W. F. Cockshut, Brantford. . . . .	0 30	
" 28	22330	10	J. A. Good & Co., Berlin. . . . .	0 24	
July 6.	22335	11	A. K. Roesch, Waterloo. . . . .	0 28	
" 6	22339	12	C. M. Pott, Fergus. . . . .	0 40	
" 11	22360				
<i>District of Winnipeg—W. M. Conklin, Inspector.</i>					
July 18.	23993	1	Kent & Brown, Moose Jaw. . . . .	0 40	
" 18.	23994	2	McKenzie Bros. " . . . . .	0 40	
" 24.	25504	3	T. E. Williams, Winnipeg. . . . .	0 30	
" 24.	25505	4	J. B. Gardiner " . . . . .	0 40	
" 24.	25506	5	John Dyke " . . . . .	0 40	
" 24.	25507	6	Archdekin Bros. " . . . . .	0 30	
" 24.	25508	7	D. W. McLean " . . . . .	0 30	
" 24.	23996	8	Multer & Lynch, Brandon. . . . .	0 30	
" 19.	23996	9	Geo. Kennedy, Carberry. . . . .	0 40	
" 20.	23999	10	T. R. Brough " . . . . .	0 40	
" 20.	24000	11	The Farmer's Trading Co., Greta. . . . .	0 40	
Aug. 2.	25521	12	J. R. Bullock, Selkirk. . . . .	0 40	
" 4.	25527	13	B. Tobias & Co., Morden. . . . .	0 40	
" 8.	25532				
<i>District of Calgary—W. Fletcher, Inspector.</i>					
July 21.	21805	1	Canada Grocers Sta., Calgary. . . . .	0 30	Bought from manufacturer.
" 21.	21808	2	Codville Smith Co. Sta., Calgary. . . . .	0 30	"
" 22.	21812	3	A. S. Cameron, Calgary. . . . .	0 30	"
" 22.	21818	4	Hudson Bay Co. " . . . . .	0 40	"
" 25.	21820	5	Star Trading Co., Wetaskewine. . . . .	0 30	"
" 27.	21835	6	Hudson Bay Co., Edmonton. . . . .	0 30	"
" 27.	21840	7	Revillon Bros. " . . . . .	0 30	"
" 27.	21845	8	McDougall & Secord " . . . . .	0 30	"
" 27.	21850	9	Wilkinson Bros. " . . . . .	0 30	"
" 28.	21861	10	Groat & Elliott, Strathcona. . . . .	0 30	"
" 28.	21862	11	T. P. Malone " . . . . .	0 30	"
" 28.	21868	12	Douglas Bros. " . . . . .	0 30	"

TABLE I. -BLACK PEPPER—JULY, 1905.—*Concluded.*

Date of Collection	Collector's Number.	Serial Number.	Name and Address of Vendor.	Cost per lb.	Inspector's Report.
			<i>District of British Columbia—E. B. Parkinson, Inspector.</i>	\$ cts.	
June 26..	26904	1	A. Desbrisay, Vancouver .....	0 40	
" 26..	26907	2	J. Deal " .....	0 40	
" 27..	26911	3	J. May " .....	0 40	
" 27..	26917	4	S. F. McCready " .....	0 40	
" 28..	26923	5	S. T. Wallace " .....	0 40	
" 28..	26928	6	La Belle & Co. " .....	0 40	
July 4..	26940	7	A. R. Johnston, Nanaimo .....	0 45	
" 6..	26948	8	R. Mowat, Victoria .....	0 40	
" 6..	26949	9	Victoria Co-operative Ass., Ltd., Victoria.	0 40	
" 6..	26955	10	Fred. Cann, Victoria, B.C. ....	0 50	Bought from manufacturer.
" 7..	26965	11	A. J. Morley " .....	0 70	
" 7..	26968	12	Stemler & Collison, Vancouver, B.C.	0 40	

TABLE II.—WHITE PEPPER—JULY, 1905.

Date of Collection	Collector's Number.	Serial Number.	Name and Address of Vendor.	Cost per lb.	Inspector's Report.
<i>District of Nova Scotia—R. J. Waugh, Inspector.</i>				\$ cts.	
July 14	27012	1	W. T. Stephens, Wolfville, N.S.	0 40	
" 19	27038	2	S. A. Roundell, Lunenburg	0 30	
" 21	27041	3	W. H. Snook & Co., Truro	0 40	
" 21	27043	4	J. H. Kent & Co. "	0 40	
" 21	27044	5	Black & Co. "	0 30	
" 25	27048	6	Hattie & Mylins, Halifax	0 32	Bought from manufacturer.
" 25	27049	7	Brown & Webb "	0 28	" "
" 26	27052	8	J. P. Mott & Co. "	" "	" "
" 26	27054	9	Simson Bros., Ltd. "	0 32	" "
" 26	27056	10	H. W. Wentzall "	0 36	
" 26	27058	11	W. H. Schwartz & Son "	0 30	Bought from manufacturer.
" 26	27059	12	E. W. Crease "	0 30	
<i>District of New Brunswick—J. C. Ferguson, Inspector.</i>					
June 24	24014	1	Maritime Spice and Coffee Co., Ltd.	0 40	From manufacturer.
" 27	24018	2	Dearborn & Co., St. John, N.B.	0 50	" "
" 28	24022	3	Vanwart Bros. "	0 40	
" 28	24023	4	Puddington & Merritt "	0 50	
" 30	24027	5	D. A. Lordly "	0 40	From manufacturer. Sold as compound.
July 4	24036	6	W. A. Porter "	0 40	
" 6	24039	7	McPherson Bros. "	0 40	
" "	24046	8	James Ryan, St. John	0 40	
" "	24080	9	C. H. Dickie, Shediac	0 40	
" "	24094	10	D. Normand des Brisay, Bathurst	0 30	
" "	24094	11	Geo. Stables, Newcastle	0 40	
" "	24098	12	D. McLachlan, Chatham	0 30	
<i>District of Prince Edward Island—T. Moore, Inspector.</i>					
June 28	24445	1	John McKenna, Charlottetown	0 40	
" 28	24448	2	R. F. Maddigan "	0 40	
" 28	24453	3	Sanderson & Co. "	0 40	
" 28	24457	4	Jenkins & Son "	0 40	
" 28	24461	5	A. Gates & Co. "	0 36	
" 28	24464	6	Bee & Goff "	0 40	
July 5	24471	7	J. E. Birch, Alberton	0 34	
" 5	24473	8	R. T. Holman, Summerside	0 36	
" 6	24475	9	Brace & McKay "	0 26	
" 6	24478	10	Waugh & Sturves "	0 36	
" 10	24491	11	Stewart & Son, Charlottetown	0 36	
" 10	24492	12	Edward Toombs "	0 36	
<i>District of Quebec—C. E. Roy, Inspector.</i>					
July 19	27501	1	Ed. Turgeon, 55-56 Champlain	0 30	
" 20	27502	2	Arcadeus Caron, Montmagny	0 40	
" 21	27503	3	J. G. Fournier "	0 40	
" 21	27504	4	J. F. Pouliot, L'Islet	0 36	
" 24	27505	5	Lepage & Godbout, Chicoutimi	0 40	Sold by clerk, and after sale
" 24	27506	6	A. C. Blais & fils "	0 40	Mr. Godbout noticed it
" 25	27507	7	L. E. Otis, Roberval	0 30	was compound.
" "	27510	8	N. Lamontagne, Pt. Levis	"	
" "	27511	9	"	"	
Aug. 10	27512	10	Thos. McCord, St. Gregoire de Montmorency	0 40	
" 12	27580	11	M. Denis, 92 rue Bayard, Quebec	0 26	
" "	27509	12	Thorny Tremblay, Roberval	"	Marked 'compound,' but sold as pure

TABLE II.—WHITE PEPPER—JULY, 1905—Continued.

Date of Collection	Collector's Number.	Serial Number.	Name and Address of Vendor.	Cost per lb.	Inspector's Report.
			<i>District of St. Hyacinthe—T. C. Rouleau, Inspector.</i>	\$ cts.	
June 22	24579	1	Mackrae Bros., Richmond	0 40	
" 22	24580	2	Tobin & Chamberlain, Brompton Falls	0 35	
" 22	24581	3	T. Denante, Arthabaskaville	0 40	
" 23	24582	4	L. P. St. Pierre, Three Rivers	0 40	
" 23	24583	5	T. Bournival	0 30	
" 24	24584	6	L. H. Paquin, Sorcel	0 40	
" 26	24585	7	M. L. Peloquin, St. Anne	0 20	
" 26	24586	8	Ed. Collette, Verchères	0 40	
" 26	24587	9	J. P. Morault, St. Ours, Richelieu	0 36	
" 27	24588	10	P. Z. Ste. Marie, Longueuil	0 46	
" 28	24589	11	Petit Freres, St. Hyacinthe	0 40	
" 28	24590	12	Blanchard & Belanger	0 40	
			<i>District of Montreal—J. J. Costigan, Inspector.</i>		
June 21	26620	1	J. B. Vinet, 834 Craig	0 40	
" 21	26621	2	Elie Dezeil, 176 Dorchester	0 36	
" 21	26622	3	J. O. Bessette, 1662 St. Catherine	0 40	
" 21	26623	4	P. J. Ryan, 66 Centre	0 36	
" 21	26624	5	W. Fleury, 374 Centre	0 40	
" 21	26625	6	J. O. Boudrias, 358 Centre	0 36	
" 21	26626	7	J. B. Deschamps, 371 Centre	0 40	
" 26	26627	8	R. Herron & Co., St. Paul St.	0 28	
" 26	26628	9	S. H. Ewing & Sons, King St.	0 25	
" 26	26629	10	J. V. Boudreau, Notre Dame St.	0 50	
" 27	26630	11	J. A. Simard & Co., St. Paul St.	0 23	
" 27	26630	12	E. D. Marceau, St. Paul St.	0 24	
			<i>District of Kingston—J. Hogan and A. E. Sanderson, Inspectors.</i>		
June 20	25412	1	M. E. Barry, 115 Queen, Ottawa	0 40	
" 20	25413	2	A. Boivin, 80 Queen	0 40	
" 20	25414	3	F. A. Scott, 167 Rideau	0 36	
" 20	25415	4	A. L. Pinard, 118 Rideau	0 40	
" 22	25416	5	P. A. Haffner, 147 Montreal St., Kingston	0 40	
" 22	25417	6	James McCulla, 149 Montreal St., Kingston	0 30	
" 22	25418	7	W. E. Hopkinson & Bros., 37 Brock, Kingston	0 40	
" 22	25419	8	P. G. Wilmot, King St., Kingston	0 40	
" 22	25420	9	L. W. Murphy, Princess St.	0 40	
" 22	25421	10	John Gilbert, Barrie St.	0 40	
" 23	25422	11	John Painter & Son, Belleville	0 40	
" 23	25423	12	Geo. Boyle, Front St.	0 30	
			<i>District of Toronto.</i>		
July 18	24801	1	John Malcolm, 350 Spadina Ave.	0 40	
" 18	24802	2	Chas. Burch, 368	0 40	
" 18	24803	3	M. E. Bush & Co., 285 College St.	0 40	
" 18	24804	4	R. M. Ferguson, 272	0 40	
" 18	24805	5	W. J. Sykes, 344	0 40	
" 19	24806	6	Bradley & Sons, St. Catharines	0 36	
" 19	24807	7	F. A. Wilson	0 40	
June 20	24808	8	F. F. Dalley Co., Hamilton	0 26	From manufacturer.
" 20	24809	9	Hamilton Coffee & Spice Co.	0 25	"
July 21	24810	10	Todhunter & Mitchell, Toronto	0 30	"
" 21	24811	11	J. M. Lowes & Co.	0 25	"
" 21	24812	12	Dalton Bros.	0 22	"

TABLE II—WHITE PEPPER—JULY, 1905.—*Concluded.*

Date of Collection	Collector's Number.	Serial Number.	Name and Address of Vendor.	Cost per lb.	Inspector's Report.
			<i>District of London—T. Kidd, Inspector.</i>	\$ etc.	
June 21..	22293	1	Andrew Young, Seaforth	0 40	
" 26..	22300	2	The Barnsdale Trading Co., Stratford.	0 50	
" 28..	22326	3	O. White, Woodstock.	0 40	
" 28..	22332	4	J. F. Wallace, Brantford.	0 40	
July 6..	22337	5	Beck & Schell, Berlin	0 40	
" 6..	22340	6	Betzner & Co., Berlin	0 40	
" 7..	22344	7	Jackson & Son, Guelph.	0 40	
" 11..	22355	8	T. J. Clifton, Alleston	0 40	
" 12..	22360	9	G. B. Ray, Beeton	0 40	
" 13..	22362	10	Geo. Gordon, Tottenham.	0 40	
" 14..	22364	11	Richie Bros., Orangeville.	0 40	
" 14..	22371	12	V. T. Allen, Fergus.	0 40	
			<i>District of Winnipeg—W. M. Conklin, Inspector.</i>		
July 21..	25501	1	T. A. Garland & Co., Portage la Prairie	0 50	From manufacturers.
" 21..	25502	2	C. S. B. Barley, Portage la Prairie.	0 40	
" 21..	25503	3	Hudson Bay Co.	0 40	
" 19..	23995	4	J. H. Murray, Brandon.	0 40	
" 19..	23997	5	The Symington Co., Brandon.	0 50	
" 19..	23998	6	Wm. Dowling, Brandon.	0 40	
" 20..	24000	7	T. R. Brough, Carberry.	0 40	
Aug. 2..	25520	8	W. Epstein, Selkirk.	0 40	
" 2..	25522	9	C. Finkleman "	0 40	
" 2..	25523	10	Wm. Robinson, Selkirk.	0 40	
" 5..	25530	11	R. W. Ferrier, Kenora.	0 40	
" 5..	25531	12	Gardiner & Co. "	0 40	
			<i>District of Calgary—W. Fletcher, Inspector.</i>		
July 21..	21804	1	Canada Grocers Sta., Calgary.	0 30	From manufacturers.
" 21..	21809	2	Codville Smith Co. "	0 30	
" 22..	21814	3	A. S. Cameron "	0 30	
" 25..	21827	4	Compton & Montgomery, Wetaskewine.	0 30	From manufacturers.
" 25..	21830	5	N. W. Gould, Wetaskewine.	0 30	
" 27..	21834	6	Hudson Bay Co., Edmonton.	0 30	
" 27..	21839	7	Revillon Bros., Edmonton.	0 30	
" 27..	21844	8	McDougall & Secord, Edmonton.	0 30	
" 27..	21849	9	Williamson Bros. "	0 30	
" 28..	21857	10	Groat & Elliott, Strathcona.	0 30	
" 28..	21862	11	T. P. Malone "	0 30	
" 28..	21867	12	Douglass Bros. "	0 30	
			<i>District of British Columbia—E. B. Parkinson, Inspector.</i>		
June 26..	26905	1	A. Desbusay, Vancouver.	0 40	
" 26..	26908	2	J. Deal "	0 40	
" 27..	26910	3	J. May "	0 50	
" 27..	26916	4	S. F. McCready "	0 40	
" 28..	26929	5	La Belle & Co. "	0 50	
" 29..	26936	6	F. Wright "	0 50	
July 4..	26939	7	A. R. Johnston, Nanaimo.	0 50	
" 6..	26947	8	Mowat, Victoria.	0 50	
" 6..	26950	9	Victoria Co-operative Ass'n. Ltd., Victoria.	0 50	
" 6..	26956	10	Fred. Crane, Victoria, B.C.	0 40	From manufacturers.
" 7..	26966	11	A. J. Morley "	0 50	
" 7..	26967	12	Sternler & Collison "	0 50	

TABLE III.—BLACK PEPPER—JULY, 1905.

District.	Serial Number.	Collector's Number.	Ash	Microscopic Examination.	Remarks.
Nova Scotia . . . . .	1	27001	4.16	Wheat starch and stone cells. . . .	Adulterated.
	2	27004	4.14	Pepper tissues only . . . . .	Genuine.
	3	27008	5.26	" . . . . .	"
	4	27011	5.72	" . . . . .	"
	5	27020	4.98	" . . . . .	"
	6	27031	5.08	" . . . . .	"
	7	27034	4.88	" . . . . .	"
	8	27035	4.72	" . . . . .	"
	9	27036	4.50	" . . . . .	"
	10	27047	6.74	" . . . . .	"
	11	27050	4.12	" . . . . .	"
	12	27053	5.60	" . . . . .	"
New Brunswick. . . . .	1	24013	5.70	Pepper tissues only . . . . .	Genuine.
	2	24024	3.74	" . . . . .	"
	3	24025	4.52	Wheat starch . . . . .	Adulterated.
	4	24031	5.20	Wheat starch and stone cells. . . .	"
	5	24033	4.04	Wheat starch . . . . .	"
	6	24035	4.10	Wheat and maize starch. . . . .	"
	7	24041	4.96	Wheat starch . . . . .	"
	8	24072	6.00	Wheat starch . . . . .	"
	9	24076	6.56	" and stone cells. . . . .	"
	10	24089	3.96	Pepper tissues only . . . . .	Genuine.
	11	24093	5.06	" . . . . .	"
	12	24097	5.36	Wheat starch and other foreign matter. . . . .	Adulterated.
Prince Edward Island. . . . .	1	24436	5.82	Wheat starch and stone cells. . . .	Adulterated.
	2	24439	5.02	Pepper tissues only . . . . .	Genuine.
	3	24446	6.20	Wheat and maize starch. . . . .	Adulterated.
	4	24449	5.1	Wheat starch and stone cells. . . .	"
	5	24454	5.38	Pepper tissues only . . . . .	Genuine.
	6	24458	5.46	" . . . . .	"
	7	24467	5.30	" . . . . .	"
	8	24469	7.68	Pepper tissues and dirt . . . . .	Adulterated.
	9	24480	11.90	" . . . . .	"
	10	24482	6.60	Pepper tissues only . . . . .	Genuine.
	11	24487	4.80	" . . . . .	"
	12	24489	6.80	" . . . . .	"
	13	24490	5.70	" . . . . .	"
Quebec . . . . .	1	27520	5.44	Pepper tissues only . . . . .	Genuine.
	2	27521	7.00	Wheat starch . . . . .	Adulterated.
	3	27522	6.00	Buckwheat. . . . .	"
	4	27523	4.22	Pepper tissues only . . . . .	Genuine.
	5	27524	4.48	" . . . . .	"
	6	27513	5.70	Wheat starch . . . . .	Adulterated.
	7	27514	13.36	" . . . . .	"
	8	27517	3.60	Stone cells . . . . .	"
	9	27518	6.76	Pepper tissues only . . . . .	Genuine.
	10	27519	9.10	Maize starch . . . . .	Adulterated.
	11	27515	9.80	Wheat starch and dirt. . . . .	"
	12	27516	16.82	" . . . . .	"
St. Hyacinthe . . . . .	1	24571	6.00	Wheat starch . . . . .	Adulterated.
	2	24572	3.46	" and stone cells. . . . .	"
	3	24573	8.00	" . . . . .	"
	4	24574	12.54	Pepper tissues and dirt . . . . .	"
	5	24575	8.5	Wheat starch . . . . .	"
	6	24576	16.04	" and stone cells . . . . .	"
	7	24577	5.16	" and charcoal. . . . .	"
	8	24578	13.12	" and stone cells. . . . .	"
	9	24567	6.16	" . . . . .	"
	10	24568	15.16	Foreign matter, dirt. . . . .	"
	11	24569	9.14	Stone cells, &c. . . . .	"
	12	24570	8.44	" . . . . .	"



TABLE III.—BLACK PEPPER—JULY, 1905—*Continued.*

District.	Serial Number.	Collector's Number.	Ash.	Microscopic Examination.	Remarks.
Montreal . . . . .	1	26632	9.02	Wheat starch, &c. . . . .	Adulterated.
	2	26633	7.60	" . . . . .	"
	3	26634	5.24	" . . . . .	"
	4	26635	5.38	" . . . . .	"
	5	26636	6.26	" . . . . .	"
	6	26637	5.28	Pepper tissues only . . . . .	Genuine.
	7	26637	3.86	" . . . . .	"
	8	26638	4.36	" . . . . .	"
	9	26639	12.88	Wheat starch and stone cells . . . . .	Adulterated.
	10	26640	7.24	Pepper tissues and dirt . . . . .	"
	11	26641	5.50	Pepper tissues only . . . . .	Genuine.
	12	26642	7.04	Wheat starch and stone cells . . . . .	Adulterated.
Kingston . . . . .	1	25424	5.48	Pepper tissues only . . . . .	Genuine.
	2	25425	4.24	" . . . . .	"
	3	25426	12.35	Stone cells, &c. . . . .	Adulterated.
	4	25427	4.58	Pepper tissues only . . . . .	Genuine.
	5	25428	2.74	Wheat starch and stone cells . . . . .	Adulterated.
	6	25429	1.20	Pepper tissues only . . . . .	Genuine.
	7	25430	4.48	Wheat starch . . . . .	Adulterated.
	8	25431	4.88	Pepper tissues only . . . . .	Genuine.
	9	25433	4.52	" . . . . .	"
	10	25432	1.70	" . . . . .	"
	11	25434	2.06	Wheat starch and stone cells . . . . .	Adulterated.
	12	25435	8.76	Pepper tissues and dirt . . . . .	"
Toronto . . . . .	1	24813	6.24	Pepper tissues only . . . . .	Genuine.
	2	24814	3.86	" . . . . .	"
	3	24815	4.76	" . . . . .	"
	4	24816	3.76	Wheat starch . . . . .	Adulterated.
	5	24817	6.32	Pepper tissues only . . . . .	Genuine.
	6	24818	4.04	Wheat starch . . . . .	Adulterated.
	7	24819	5.04	Pepper tissues only . . . . .	Genuine.
	8	24820	4.08	" . . . . .	"
	9	24821	5.00	" . . . . .	"
	10	24822	5.16	" . . . . .	"
	11	24823	4.30	" . . . . .	"
	12	24,824	2.26	Wheat starch and stone cells . . . . .	Adulterated.
London . . . . .	1	22,205	4.40	Pepper tissues only . . . . .	Genuine.
	2	22,208	4.32	" . . . . .	"
	3	22,306	4.00	" . . . . .	"
	4	22,304	5.84	" . . . . .	"
	5	22,311	3.62	" . . . . .	"
	6	22,317	6.12	Wheat starch . . . . .	Adulterated.
	7	22,319	4.42	Pepper tissues only . . . . .	Genuine.
	8	22,328	4.24	" . . . . .	"
	9	22,340	4.86	Wheat starch . . . . .	Adulterated.
	10	22,335	5.20	Pepper tissues only . . . . .	Genuine.
	11	22,339	4.30	" . . . . .	"
	12	22,369	4.24	" . . . . .	"
Winnipeg. . . . .	1	23,993	5.12	Wheat starch . . . . .	Adulterated.
	2	23,994	8.02	Stone cells . . . . .	"
	3	25,504	8.30	Pepper tissues and dirt . . . . .	"
	4	25,505	6.84	Pepper tissues only . . . . .	Genuine.
	5	25,506	5.32	" . . . . .	"
	6	25,507	4.84	" . . . . .	"
	7	25,508	4.38	" . . . . .	"
	8	23,996	8.44	Pepper tissues and dirt . . . . .	Adulterated.
	9	23,999	4.90	Pepper tissues only . . . . .	Genuine.
	10	24,000	4.60	" . . . . .	"
	11	25,521	6.94	" . . . . .	"
	12	25,527	3.00	Wheat starch . . . . .	Adulterated.
	13	25,532	7.20	Pepper tissues and dirt . . . . .	"

TABLE III.—BLACK PEPPER—JULY, 1905—*Concluded.*

District.	Serial Number.	Collector's Number.	Ash.	Microscopic Examination.	Remarks.
Calgary	1	21,805	4 88	Pepper tissues only	Genuine.
	2	21,808	4 48	"	"
	3	21,813	14 00	Stone cells, etc.	Adulterated.
	4	21,818	4 84	Wheat starch	"
	5	21,820	4 07	Pepper tissues only	Genuine.
	6	21,835	8 04	Pepper tissues and dirt	Adulterated.
	7	21,840	6 14	Wheat starch, etc.	"
	8	21,845	3 90	Pepper tissues only	Genuine.
	9	21,850	3 28	"	"
	10	21,861	4 78	Wheat starch	Adulterated.
	11	21,863	7 60	Wheat starch and stone cells	"
	12	21,868	4 40	Pepper tissues only	Genuine.
British Columbia	1	26,904	5 20	Pepper tissues only	Genuine.
	2	26,907	4 76	Wheat starch and stone cells	Adulterated.
	3	26,911	4 20	Pepper tissues only	Genuine.
	4	26,917	3 28	"	"
	5	26,923	4 20	Wheat starch and stone cells	Adulterated.
	6	26,928	3 46	Pepper tissues only	Genuine.
	7	26,940	4 18	"	"
	8	26,948	4 72	"	"
	9	26,949	7 64	Pepper tissues and dirt	Adulterated.
	10	26,955	5 20	Pepper tissues only	Genuine.
	11	26,965	5 80	A little wheat starch	Doubtful.
	12	26,968	5 56	Pepper tissues only	Genuine.

TABLE IV.—WHITE PEPPER—JULY, 1905.

District.	Serial Number.	Collector's Number.	Ash.	Microscopic Examination.	Remarks.
Nova Scotia	1	27,012	0.88	Pepper tissues only	Genuine.
	2	27,038	1.04	"	"
	3	27,041	0.96	"	"
	4	27,043	0.80	"	"
	5	27,044	0.94	"	"
	6	27,048	3.20	"	"
	7	27,049	0.82	"	"
	8	27,052	0.80	"	"
	9	27,054	0.96	"	"
	10	27,066	1.06	"	"
	11	27,068	0.90	"	"
	12	27,069	1.88	"	"
New Brunswick	1	24,014	1.22	Pepper tissues only	Genuine.
	2	24,018	1.12	"	"
	3	24,022	2.42	"	"
	4	24,023	1.20	"	"
	5	24,027	2.60	Wheat starch	Adulterated.
	6	24,036	1.12	Pepper tissues only	Genuine.
	7	24,039	2.04	"	"
	8	24,046	1.66	"	"
	9	24,080	2.46	"	"
	10	24,090	0.94	"	"
	11	24,094	0.72	"	"
	12	24,098	0.86	"	"
Prince Edward Island	1	24,445	0.80	Pepper tissues only	Genuine.
	2	24,448	0.80	"	"
	3	24,453	0.82	"	"
	4	24,457	1.06	"	"
	5	24,461	0.88	"	"
	6	24,464	1.00	"	"
	7	24,471	4.80	Foreign tissues not identified	Adulterated.
	8	24,473	2.48	Pepper tissues only	Genuine.
	9	24,475	1.36	Wheat starch	Adulterated.
	10	24,478	0.94	Pepper tissues only	Genuine.
	11	24,491	0.84	"	"
	12	24,492	2.12	"	"
	13	24,046	1.56	"	"
Quebec	1	27,501	3.50	Wheat starch and stone cells	Adulterated.
	2	27,502	3.20	"	"
	3	27,503	1.96	Foreign tissues, not identified	"
	4	27,504	2.18	Wheat starch	"
	5	27,505	4.20	Buckwheat, etc.	"
	6	27,506	1.34	Pepper tissues only	Genuine.
	7	27,507	8.46	Wheat starch and dirt	Adulterated.
	8	27,510	2.30	Wheat starch	"
	9	27,511	1.70	Pepper tissues only	Genuine.
	10	27,512	2.50	Wheat starch	Adulterated.
	11	27,580	2.40	"	"
	12	27,509		This sample not received	
St. Hyacinthe	1	24,579	3.12	Pepper tissues only	Genuine.
	2	24,580	2.92	Wheat starch	Adulterated.
	3	24,581	1.68	"	"
	4	24,582	2.96	Pepper tissues only	Genuine.
	5	24,583	1.82	"	"
	6	24,584	7.70	Pepper tissues and dirt	Adulterated.
	7	24,585	12.20	Wheat starch, stone cells, &c.	"
	8	24,586	2.18	"	"
	9	24,587	2.10	Traces of wheat starch	Doubtful.
	10	24,588	2.14	Wheat starch	Adulterated.
	11	24,589	2.80	Pepper tissues only	Genuine.
	12	24,590	3.04	"	"

TABLE IV.—WHITE PEPPER—JULY 1905.—Continued,

District.	Serial Number.	Collector's Number.	Ash.	Microscopic Examination.	Remarks.
Montreal.....	1	26,620	1.80	Pepper tissues only.....	Genuine.
	2	26,621	2.20	".....	"
	3	26,622	2.24	Wheat starch.....	Adulterated.
	4	26,623	2.14	".....	"
	5	26,624	1.74	".....	"
	6	26,625	1.00	Pepper tissues only.....	Genuine.
	7	26,626	2.54	".....	"
	8	26,627	3.40	".....	"
	9	26,628	0.90	".....	"
	10	26,643	1.18	".....	"
	11	26,629	4.64	Stone cells, &c.....	Adulterated.
	12	26,630	0.96	Pepper tissues only.....	Genuine.
Kingston.....	1	25,412	0.36	Wheat.....	Adulterated.
	2	25,413	14.86	Wheat and stone cells, &c.....	"
	3	25,414	0.70	Foreign, not identified.....	"
	4	25,415	2.66	Pepper tissues only.....	Genuine.
	5	25,416	2.70	".....	"
	6	25,417	2.30	".....	"
	7	25,418	1.04	Wheat.....	Adulterated.
	8	25,419	0.90	Trace of starch.....	Doubtful.
	9	25,420	1.20	Wheat.....	Adulterated.
	10	25,421	2.04	Pepper tissues only.....	Genuine.
	11	25,422	2.64	Wheat.....	Adulterated.
	12	25,423	1.04	Pepper tissues only.....	Genuine.
Toronto.....	1	24,801	1.34	Wheat starch.....	Adulterated.
	2	24,802	2.16	Pepper tissues only.....	Genuine.
	3	24,803	1.40	".....	"
	4	24,804	2.44	".....	"
	5	24,805	1.10	".....	"
	6	24,806	1.64	".....	"
	7	24,807	3.02	Wheat starch.....	Adulterated.
	8	24,808	1.06	Pepper tissues only.....	Genuine.
	9	24,809	0.72	".....	"
	10	24,810	1.02	".....	"
	11	24,811	1.16	".....	"
	12	24,812	4.54	A little wheat starch.....	Doubtful.
London.....	1	22,293	1.18	Pepper tissues only.....	Genuine.
	2	22,309	2	Wheat starch.....	Adulterated.
	3	22,326	2	Pepper tissues only.....	Genuine.
	4	22,332	2.02	Wheat starch.....	Adulterated.
	5	22,337	0.88	Pepper tissues only.....	Genuine.
	6	22,340	2.08	".....	"
	7	22,344	2.12	".....	"
	8	22,355	0.72	Wheat starch.....	Adulterated.
	9	22,360	0.78	".....	"
	10	22,362	1.68	Pepper tissues.....	Genuine.
	11	22,364	1.88	".....	"
	12	22,371	2.40	".....	"
Winnipeg.....	1	25,501	1.72	Pepper tissues.....	Genuine.
	2	25,502	0.80	Wheat starch.....	Adulterated.
	3	25,503	2.00	Pepper tissues only.....	Genuine.
	4	23,995	0.88	".....	"
	5	23,997	2.22	".....	"
	6	23,998	1.28	Wheat starch.....	Adulterated.
	7	24,000	4.60	Pepper tissues only.....	Genuine.
	8	25,520	1.00	".....	"
	9	25,522	1.92	".....	"
	10	25,523	1.00	Wheat starch.....	Adulterated.
	11	25,530	2.24	".....	"
	12	25,531	2.14	".....	"

TABLE IV—WHITE PEPPER—JULY, 1905—*Concluded.*

District.	Serial Number.	Collector's Number.	Ash.	Microscopic Examination.	Remarks.
Calgary .....	1	21,804	0.94	Pepper tissues only .....	Genuine.
	2	21,809	1.10	" .....	"
	3	21,811	5.80	" .....	"
	4	21,827	1.58	Wheat starch .....	Adulterated.
	5	21,830	4.10	Pepper tissues only .....	Genuine.
	6	21,834	1.46	A little wheat starch. ....	Doubtful.
	7	21,839	1.64	Pepper tissues only .....	Genuine.
	8	21,844	0.98	" .....	"
	9	21,849	0.84	" .....	"
	10	21,857	2.60	" .....	"
	11	21,862	0.94	" .....	"
	12	21,867	0.98	" .....	"
British Columbia.....	1	26,905	2.56	Pepper tissues only .....	Genuine.
	2	26,908	1.80	" .....	"
	3	26,910	0.96	" .....	"
	4	26,916	1.34	Wheat starch .....	Adulterated.
	5	26,929	1.82	Leguminous starch .....	"
	6	26,936	1.30	Pepper tissues only .....	Genuine.
	7	26,939	4.00	" .....	"
	8	26,947	1.02	Wheat starch .....	Adulterated.
	9	26,950	1.24	" .....	"
	10	26,956	1.00	" .....	"
	11	26,965	2.02	" .....	"
	12	6,967	1.00	Pepper tissues only .....	Genuine.